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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
				Application Number	10/526,164
				Filing Date	February 28, 2005
				First Named Inventor	Rob Hoot Van Huijsdijnen
				Art Unit	N/A 1654
				Examiner Name	Not Yet Assigned Julie Ha
Sheet	1	of	4	Attorney Docket Number	SLII-P01-002

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/J.H./	CA	ANDERSON et al., 2001, Structural and evolutionary relationships among protein tyrosine phosphatase domains, Mol. Cell. Biol. 21:7117-7136	
	CB	ASANTE-APPiah et al., 2001, The YRD motif is a major determinant of substrate and inhibitor specificity in T-cell protein-tyrosine phosphatase, J. Biol. Chem. 276:26036-26043	
	CC	BJORGE et al., 2000, Identification of Protein-tyrosine Phosphatase 1B as the Major Tyrosine Phosphatase Activity Capable of Dephosphorylating and Activating c-Src in Several Human Breast Cancer Cell Lines, J. Biol. Chem. 275(52):41439-41446	
	CD	BLASKOVICH et al., 2002, Recent discovery and development of protein tyrosine phosphatase inhibitors, Expert Opin. Ther. Patents, 12(6):871-905	
	CE	BLISKA et al., 1991, Tyrosine phosphate hydrolysis of host proteins by an essential Yersinia virulence determinant, Proc. Natl. Acad. Sci. USA 88:1187-1191	
	CF	BORDO and ARGOS, 1991, Suggestions for "Safe" Residue Substitutions in Site-directed Mutagenesis, J. Mol. Biol. 217:721-729	
	CG	BUCKLEY et al., 2002, Regulation of Insulin-Like Growth Factor Type I (IGF-I) Receptor Kinase Activity by Protein Tyrosine Phosphatase 1B (PTP-1B) and Enhanced IGF-I-Mediated Suppression of Apoptosis and Motility in PTP-1B-Deficient Fibroblasts, Mol. Cell. Biol. 22(7):1998-2010	
	CH	BURKE et al., 1996, Small Molecule Interactions with Protein-Tyrosine Phosphatase PTP1B and Their Use in Inhibitor Design, Biochem. 35:15989-15996	
	CI	COCHRAN, 2001, Protein-protein interfaces, mimics and inhibitors, Curr. Opin. in Chem. Biol. 5:654-659	
V	CJ	COCHRAINE et al., 2000, Identification of Natural Ligands for SH2 Domains from a Phase Display cDNA library, J. Mol. Biol. 297:89-97	
/J.H./	CK	COTE et al., 1998, Combination of gene targeting and substrate trapping to identify substrates of protein tyrosine phosphatases using PTP-PEST as a model, Biochemistry 37:13128-13137	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			
(Use as many sheets as necessary)			
Sheet	2	of	4
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		Art Unit	1654
		Examiner Name	TNU Yet Assigned Julie Ha
CL		DATABASE EMBL Online, December 1, 2001, retrieved from EBI Database accession no. Q69575 XP002224616 Peptide comprising LLYGAFG abstract	
CM		DENG et al., 2001, Identifying substrates for endothelium-specific Tie-2 receptor tyrosine kinase from phage-displayed peptide libraries for high throughput screening, Comb Chem High Throughput Screen 4:525-533	
CN		DENTE et al., 1997, Modified phage peptide libraries as a tool to study specificity of phosphorylation and recognition of tyrosine containing peptides, J Mol Biol. 269:694-703	
CO		DEVINNEY et al., 2000, Phosphatases and kinases delivered to the host cell by bacterial pathogens, Trends in Microbiol. 8(1):29-33	
CP		DOUGHERTY, 2000, Unnatural amino acids as probes of protein structure and function, Curr. Opin. in Chem. Biol. 4:645-652	
CQ		ELCHEBLY et al., 1999, Increased insulin sensitivity and obesity resistance in mice lacking the protein tyrosine phosphatase-1B gene, Science 283:1544-1548	
CR		ESPANEL and SUDOL, 2001, Yes-associated Protein and p53-binding Protein-2 Interact through Their WW and SH3 Domains, J. Biol. Chem. 276(17):14514-14523	
CS		ESPANEL et al., 2001, Pulling strings below the surface: hormone receptor signalling through inhibition of protein tyrosine phosphatases, Endocrine 15:19-28	
CT		FACHINGER et al., 1999, Functional interaction of vascular endothelial-protein-tyrosine phosphatase with the Angiopoietin Receptor Tie-2, Oncogene 18:5948-5953	
CU		FELICI et al., 1991, Selection of Antibody Ligands from a Large Library of Oligopeptides Expressed on a Multivalent Exposition Vector, J. Mol. Biol. 222:301-310	
CV		FLINT et al., 1997, Development of "substrate-trapping" mutants to identify physiological substrates of protein tyrosine phosphatases, Proc. Natl. Acad. Sci. USA 94:1680-1685	
CW		FRIDEN et al., 1993, Blood-Brain Barrier Penetration and in Vivo Activity of an NGF Conjugate, Science 259:373-377	
CX		GARTON et al., 1996, Identification of p130 <sup>cas</sup> as a substrate for the cytosolic protein tyrosine phosphatase PTP-PEST, Mol. Cell. Biol. 16:6408-6418	
CY		GOLDSTEIN et al., 1998, Regulation of the insulin signalling pathway by cellular protein-tyrosine phosphatases, Mol. Cell. Biochem. 182:91-99	
CZ		GOLEBIOWSKI et al., 2001, High-throughput organic syntheses of peptide mimetics, Curr. Opin. in Drug Disc. and Dev. 4(4):428-434	
CA1		GROVES et al., 1998, Structural Basis for Inhibition of the Protein Tyrosine Phosphatase 1B by Phosphotyrosine Peptide Mimetics, Biochem. 37:17773-17783	
CB1		HIGASHI et al., 2002, SH-2 Tyrosine Phosphatase as an Extracellular Target of <i>Helicobacter pylori</i> CagA Protein, Science 295:683-686	
CC1		HOOT van HUIJSUDIJNEN, 1998, Protein tyrosine phosphatases: counting the trees in the forest, Gene 225:1-8	
CD1		HRUBY and BALSE, 2000, Conformational and Topographical Considerations in Designing Agonist Peptidomimetics from Peptide Leads, Curr. Med. Chem. 7:945-970	
CE1		HUYER et al., 1998, Affinity selection from peptide libraries to determine substrate specificity of protein tyrosine phosphatases, Anal. Biochem. 258:19-30	
CF1		JAIN and MUNN, 2000, Leaky vessels? Cell Angi, Nature Med. 6(2):131-132	
CG1		KIM and KAHN, 2000, A Merge of Rational Drug Design and Combinatorial Chemistry: Development and Application of Peptide Secondary Structure Mimetics, Comb. Chem. & High Throughput Screen. 3:167-183	
CH1		KLAMAN et al., 2000, Increased energy expenditure, decreased adiposity, and tissue-specific insulin sensitivity in protein-tyrosine phosphatase 1B-deficient mice, Mol. Cell. Biol. 20:5479-5489	
/J.H./		KOLE et al., 1996, A Peptide-based Protein-tyrosine Phosphatase Inhibitor Specifically Enhances Insulin Receptor Function in Intact Cells, J. Biol. Chem. 271(24):14302-14307	

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			Art Unit	MA 1654	
			Examiner Name	INU Yet Assigned Julie Ha	
Sheet	3	of	4	Attorney Docket Number	SLII-P01-002

/J.H./	CJ1	LANDER et al., 2001, Initial sequencing and analysis of the human genome, <i>Nature</i> 409:860-921			
	CK1	LARSEN et al., 2002, Synthesis and biological activity of a novel class of small molecular weight peptidomimetic competitive inhibitors of protein tyrosine phosphatase 1B, <i>J. Med. Chem.</i> 45:598-622			
	CL1	LINDGREN et al., 2000, Cell-penetrating peptides, <i>TIPS</i> 21:99-103			
	CM1	MARCUS et al., 1996, Cytokine-induced increases in endothelial permeability occur after adhesion molecule expression, <i>Surgery</i> 120:411-417			
	CN1	MATOZAKI and KASUGA, 1996, Roles of Protein-Tyrosine Phosphatases in Growth Factor Signalling, <i>Cell. Signal.</i> 8(1):13-19			
	CO1	MURLI et al., 2001, Role of tyrosine kinases and the tyrosine phosphatase SptP in the interaction of <i>Salmonella</i> with host cells, <i>Cell. Microbiol.</i> 3(12):795-810			
	CP1	MURPHY et al., 2000, Simplified amino acid alphabets for protein fold recognition and implications for folding, <i>Protein Eng.</i> 13(3):149-152			
	CQ1	MURTHY et al., 1999, Fusion Proteins Could Generate False Positives in Peptide Phage Display, <i>BioTechniques</i> 26(1):142-149			
	CR1	NOGUCHI et al., 2001, Inhibition of Cell Growth on Spreading by Stomach-associated Protein-tyrosine Phosphatase-1 (SAP-1) through Dephosphorylation of p130 <sup>cas</sup> , <i>J. Biol. Chem.</i> 276(18):15215-15224			
	CS1	ODENBREIT et al., 2000, Translocation of <i>Helicobacter pylori</i> CagA into Gastric Epithelial Cells by Type IV Secretion, <i>Science</i> 287:1497-1500			
	CT1	PATHAK and YI, 2001, Sodium Stibogluconate Is a Potent Inhibitor of Protein Tyrosine Phosphatases and Augments Cytokine Response in Hemopoietic Cell Lines, <i>J. Immunol.</i> 167:3391-3397			
	CU1	PELLEGRINI et al., 1998, Mapping the subsite preferences of protein tyrosine phosphatase PTP-1B using combinatorial chemistry approaches, <i>Biochemistry</i> 37(45):15598-15606			
	CV1	RANNEY, 1999, Biomimetic Transport and Rational Drug Delivery, <i>Biochem. Pharm.</i> 59:105-114			
	CW1	ROGOV and NEKRASOV, 2001, A numerical measure of amino acid residues similarity based on the analysis of their surroundings in natural protein sequences, <i>Protein Eng.</i> 14(7):459-463			
	CX1	SALMEEN et al., 2000, Molecular Basis for the Dephosphorylation of the Activation Segment of the Insulin Receptor by Protein Tyrosine Phosphatase 1B, <i>Mol. Cell</i> 6:1401-1412			
	CY1	SARMIENTO et al., 2000, Structural Basis of Plasticity in Protein Tyrosine Phosphatase 1B Substrate Recognition, <i>Biochem.</i> 39:8171-8179			
	CZ1	SCHMITZ et al., 1996, Catalytic specificity of phosphotyrosine kinases Blk, Lyn, c-Src and Syk as assessed by phage display, <i>J. Mol. Biol.</i> 260:664-677			
	CA2	SCHWARZE and DOWDY, 2000, <i>In vivo</i> protein transduction: intracellular delivery of biologically active proteins, compounds and DNA, <i>TIPS</i> 21:45-48			
	CB2	SEO et al., 1997, Overexpression of SAP-1, a Transmembrane-Type Protein Tyrosine Phosphatase, in Human Colorectal Cancers, <i>Biochem. Biophys. Res. Comm.</i> 231:705-711			
	CC2	TERRY et al., 1997, Accessibility of peptides displayed on filamentous bacteriophage virions: susceptibility to proteinases, <i>Biol. Chem.</i> 378:523-530			
	CD2	VENTER et al., 2001, The Sequence of the Human Genome, <i>Science</i> 291:1304-1351			
	CE2	VETTER et al., 2000, Assessment of protein-tyrosine phosphatase 1B substrate specificity using 'inverse alanine scanning', <i>J. Biol. Chem.</i> 275:2265-2268			
	CF2	WALCHLI et al., 2000, Identification of tyrosine phosphatases that dephosphorylate the insulin receptor. A brute force approach based on "substrate-trapping" mutants, <i>J. Biol. Chem.</i> 275:9792-9796			
	CG2	WANG et al., 2002, Screening combinatorial libraries by mass spectrometry. 2. Identification of optimal substrates of protein tyrosine phosphatase SHP-1, <i>Biochemistry</i> 41(19):6202-6210			
/J.H./					

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/J.H./	CH2	WIENER et al., 1994, Overexpression of the tyrosine phosphatase PTP1B is associated with human ovarian carcinomas, <i>Am. J. Obstet. Gynecol.</i> 170:1177-1183	
↓	CI2	WU et al., 1997, Comparative kinetic analysis and substrate specificity of the tandem catalytic domains of the receptor-like protein-tyrosine phosphatase alpha, <i>J. Biol. Chem.</i> 272:6994-7002	
/J.H./	CJ2	ZHANG et al., 1993, Substrate specificity of the protein tyrosine phosphatases, <i>Proc. Natl. Acad. Sci. USA</i> 90:4446-4450	
↓	CK2	ZHANG et al., 2000, Thermodynamic Study of Ligand Binding to Protein-tyrosine Phosphatase 1B and Its Substrate-trapping Mutants, <i>J. Biol. Chem.</i> 275(44):34205-34212	
/J.H./	CL2	ZHANG, 2001, Protein tyrosine phosphatases: prospects for therapeutics, <i>Curr Opin Chem Biol.</i> 5(4):416-23	

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